

## CLAIMS:

1. A variable filter for a video camera comprising:
  - a first filter disc having a pattern of areas coated to be at least partially opaque to transmission of electric wave length and a pattern of adjacent areas without said coating;
  - a second filter disc having a similar pattern of opaque areas and non-opaque areas;
  - means to rotate at least one of said discs relative to the other said disc between a position in which said opaque areas are lined and positioned where opaque areas on one disc align at least partially with non-opaque areas on the other disc;
  - whereby the transmission of signals to the camera may be attenuated.
2. A variable filter as claimed in claim 1 in which said patterns consist of pie-shaped areas extending radially from the centre of said discs.
3. Apparatus as claimed in claims 1 or 2 in which the means to rotate one disc relative to the other disc comprises a gear attached to said one disc activated by a

drive gear connected to an electric motor.

4. Apparatus as claimed in claims 1, 2 or 3 in which the rotation of one disc relative to the other is controlled by a signal responsive to the intensity of the radiation transmitted through said filter.